Monsanto

J. H. Waldbeser - General Offices (4-6469)

June 12, 1970

SUBJECT: WASTE AROCLOR DISPOSAL

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The purpose of this memo is to describe the plans for and objectives of a liquid waste incinerator at the Krummrich Plant before issuing a formal scope. Any constructive comments or suggestions on the project are welcomed.

A. Project Objectives

The project will install equipment to store and incinerate waste Aroclor returned to Monsanto by their customers. Consideration will also be given to the future disposal of Montars and contaminated solids.

B. Design Capacity

The incineration system will be designed for 10 million pounds per year and 8000 hours per year on-stream time.

C. Project Tone

The objective of the project is to destroy PCB's. Any trace PCB's should not contribute more than 3 ppb in the Krummrich sewer. Costs will be kept to a minimum since this is a non-earnings project.

D. Project Discussion

One 20,000 gallon storage tank will be supplied initially to hold wastes received by drum and tank car. A dock and pump, planned by the plant for unloading reclaimable Aroclor from tank cars, will be available for transfer of wastes unsuitable for reclamation to the storage tanks. A 250 gallon sump, a sump pump, and drum heaters will be included in this project for unloading drums; this facility will be made available for unloading drums of reclaimable waste.

The incineration section will consist of a feed pump, a horizontal thermal oxidizer, a quench pot, an HCl scrubber, combustion air blower, and scrubber liquor circulation pump. The scrubbed flue gas will be discharged to the atmosphere through a stack. The liquor (approximately .5% HCl) will be discharged to the sewer.

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E. Flexibility

Consideration is being given to diluting Montars with waste Aroclor and handling the resultant liquid in this liquid oxidizer. This would require two extra tanks and pumps, but introduces the problem of lime in the Montar reacting with and destroying the oxidizer refractory at high temperatures (above 2200°F).

Space and tie-in consideration is being given to future solid disposal requirements.

F. Location

Installation will be located in the old caustic evaporation area if adequate space is available.

G. Schedules

Completion of Scope	June 26, 1970
Appropriation Request Data Transmittal	July 17, 1970
Project Approval	August, 1970
Order Incinerator Package	September 1, 1970
Drawing Approval	October 1, 1970
Delivery of Incinerator	March 1, 1971
Installation Completed	May 1, 1971

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